PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required

Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

Complete if Known						
Application Number	10/609,402-Conf. #9344					
Filing Date	July 1, 2003					
First Named Inventor	Yoshinori SHIMIZU					
Art Unit	2879					
Examiner Name	J. L. Williams					
Attorney Docket Number	0020-5147P					

	U.S. PATENT DOCUMENTS									
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear					
W	AA	US-5,700,713-A	12-23-1997	Yamazaki et al.						

	FOREIGN PATENT DOCUMENTS									
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,					
Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	WW-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶				
W	ВА	JP-2002-270020-A	09-20-2002	CASIO COMPUTER CO LTD						

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.usplo.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

	NON PATENT LITERATURE DOCUMENTS								
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²						
du	CA	Branko et al., Development and applications of highbright white LED lamps, November 29, 1996, The 264th Proceedings of the Institute of Phosphor Society. Pages 4-16 of the English translation.							

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Signature	World Williams	Date Considered	4/15/05
Birch, Stewar	rt, Kolasch/& Birch, LLP		ADM/sld

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Form PTO-1449

ATTY. DOCKET NO. 0020-5147P

APPLICATION NO. 10/609,402

]	NFORM	ATION DISCLO	SURE A	A TENTAGN	APPLICANT Yoshinori SHIMIZU et al.				
		Use several sheets	if necessa	ry)	July 1, 2003 GROUP 2879				
			U	.S. PATENT D	OCUMENTS				
EXAMINER INITIAL	DOCU	MENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING IF APPRO	DATE PRIATE
Au/	US	4,644,223		1987-02-17	de Hair et al.				
W	US	6,538,371	B1	2003-03-25	Duggal et al.				-
W	US	3,875,456		1975-04-01	Kano et al.	1			
XW	ນຣ	3,510,732		1970-05-05	R.L. Amans	T -	,	 	
W	บร	5,550,657	A	1996-08-27	Tanaka et al.				
AW	US	5,578,839	A	1996-11-26	Nakamura et al.			i	- 15
V	1	US .							
	1	US							
	1	us				1			
	1	JS .							
			FOR	EIGN PATENT	DOCUMENTS				
	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLA YES	NO LTON
#W	EP	0 500 937	A1	1992-09-02	EUROPE			Х	
an	JP	2001-320094	A	2001-11-16	JAPAN			X w/Abs	
an	DE	3804293	A1	1989-08-24	GERMANY			Abs	
dw	JP	06-231605	A	1994-08-19	JAPAN			X w/Abs	
AW	GB	2 000 173	A	1979-01-04	GREAT BRITIAN	1 -		х	-
W	EP	0 383 215	A	1990-08-22	EUROPE	1 =		х	
ZW	DE	9013615	υ	1991-01-24	GERMANY				
ļ				·					

OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

dw	Sato et Diode",	al. "Full Japanese	-Color Journal	Fluorescent of Applied	Dsiplay Physics	Devices vol. 3	Using a	Near-UV 1, 1996,	Light pp. L	-Emittin 838-L839	g •
EXAMINER	/	1 / 11.			D	ATE CONSI	DERED	7 ,			

EXAMINER: Initial of citation considered, whether or not citation is in conformance with M.P.E.P. considered. Include copy of this form with next communication to applicant.

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
the Parameter of Information unless it contains a valid OMB control number.

Subs	stitute for form 1449A/B	/PTO		Complete if Known			
				Application Number	10/609,402-Conf. #9344		
IN	IFORMATIC	ON DI	SCLOSURE	Filing Date	July 1, 2003		
S	TATEMEN1	BY	APPLICANT	First Named Inventor	Yoshinori SHIMIZU et al.		
				Art Unit	2879		
	(Use as many	sheets as	necessary)	Examiner Name	J.L. Williams		
Sheet	1	of	2	Attorney Docket Number	0020-5147P		

	U.S. PATENT DOCUMENTS									
Examiner Ci		Cite	Document Number	Date	Name of Patentee or	Pages, Columns, Lines, Where				
Initials		No.1	Number-Kind Code ² (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear				
_AV	V	AA	US-6,066,861 A	05/23/2000	Hohn et al.					
		AB	US-6,784,511 B1	08/31/2004	Kunihara et al.					
41		AC	US-5,257,049 A	10-26-1993	Van Peteghem					
YUV	V	AD	US-6,576,930 B2	06-10-2003	Reeh et al.					
- %		AE	US-6,812,500 B2	11-02-2004	Reeh et al.					
- Al	N	AF	US-2001-030326 A1	10-18-2001	Reeh et al.					

	FOREIGN PATENT DOCUMENTS											
Examiner	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,							
Initials*	No.	Country Code ³ -Number ⁴ -Kind Code ⁶ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	™						
dw	BA	JP11-500584	01/12/1999		· · · · · · · · · · · · · · · · · · ·	T						
AW	ВВ	JP49-122292	11/22/1974			Y						
YM	BC	JP7-321407	12/08/1995	FUJI ELECTRIC CO LTD.		Y						
XMZ	BD	JP5-226676	03/09/1993	SHARP CORP.		Y						
AW.	BE	JP6-115158	04/26/1994	AGFA GEVAERT NV	•	Y						
VW	BF	JP07-288341	10/31/1995	NICHIA CHEM IND LTD		Y						
$\mathcal{H}W$	BG	JP61-158606	07/18/1986		1 ·	İΫ						
W.W	ВН	JP2000-512806	09/26/2000			Y						

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.usnto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
ДИ	CA	Nikkei Sangyo Shin-bun of September 13, 1996	
an	СВ	S. NAKAURA et al., "High Quality InGaN Films Grown on GaN Films", Japanese Journal of Applied Physics Part 2, Vol. 31, No. 10B, 1992, pages L1457-1459 no month	
AW	CC	Mitsubishi Electric Company Technical Report, Vol. 48, No. 9, 1974, pages 1121-1124 romonth	
XV	CD	Proceedings of Illumination National Convention in 1983, page 12	
AW.	CE	Phosphor Handbook, 1st Edition, 1987, pages 233-240 and 275-277 no month	
WW	CF	Journal of the Television Society, Vol. 47, No. 5, 1993, pages 753-764 no avoith	_
an	G	R.W.G. HUNT, "Revised Colour-Appearance Model for Related and Unrelated Colours", Color Research & Application, Vol. 16, No. 3, 1991, pages 146-165	
dw	СН	Y. NAYATANI, "Revision of the Chroma and Hue Scales of a Nonlinear Color-Appearance Model", Color Research & Application, Vol. 20, No. 3, June 1995, pages 143-155	
Au	CI	M. IKEDA et al., "Equivalent Lightness of Colored Objects at Illuminances from the Scotopic to the Photopic Level", Color Research & Application, Vol. 14, No. 4, August, 1989, pages 198-206	

Examiner Signature	Wroph Williams	Date Considered	8/15/05
Direct Charman			4544

Birch, Stewart, Kolasch & Birch, LLP

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/609,402-Conf. #9344
INFO	RMATIC	ON DI	SCLOSURE	Filing Date	July 1, 2003
STATEMENT BY APPLICANT (Use as many sheets as necessary)				First Named Inventor	Yoshinori SHIMIZU et al.
				Art Unit	2879
				Examiner Name	J.L. Williams
Sheet	2	of	2	Attorney Docket Number	0020-5147P

AW	ငၪ	M. IKEDA et al., "Equivalent Lightness of Colored Objects of Equal Munsell Chroma and of Equal Munsell Value at Various Illuminances", Color Research & Application, Vol. 16, No. 2, April, 1991, pages 72-80	
dw	CK	H. SHINODA et al., "Categorized Color Space on CRT in the Aperture and the Surface Color Mode", Color Research & Application, Vol. 18, No. 5, October, 1993, pages 326-333	
gw	CL	M. IKEDA, "Change of Color Conspicuity for Various Illuminance Levels: Effects of the Purkinje shift", Journal of the Illumination Society, Vol. 71, No. 10, 1987, pages 612-617 And English Abstract 10 months	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner	A - 1 wall	Date	1 1 -
Signature	Joseph Williams	Considered	<i>\$115705</i>
3.4	70 15 (4,00	Considered	11.3100

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.